



## **NJ DEPARTMENT OF TRANSPORTATION**

### **RESEARCH LIBRARY**

#### ***SELECTED RECENT ACQUISITIONS***

**July - September 2015**

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest. If you would like to see any of these items and there is no link to an online version, please contact the Research Library at [library@dot.state.nj.us](mailto:library@dot.state.nj.us) (Library, DOT) or call 609-530-5289 for these or any other publications.

#### **Administration and Management**

##### **Current Practices to Set and Monitor DBE Goals on Design-Build Projects and Other Alternative Project Delivery Methods /**

David J. Keen et al. -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 481), 128 pp. <http://www.trb.org/Publications/Blurbs/172886.aspx>

##### **Due Diligence for Insurance Coverage in Transportation Construction Contracts /**

Terri Parker and Laurel Stevenson -- Washington, DC : Transportation Research Board, 2015-07 (Legal Research Digest 66), various pagings

##### **Economic and Development Implications of Transportation Disinvestment /**

Chandler Duncan and Glen Weisbrod -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 480), 59 pp. <http://www.trb.org/Publications/Blurbs/172915.aspx>

##### **A Guide to Agency-Wide Knowledge Management for State Departments of Transportation /**

Spy Pond Partners, LLC -- Washington, DC : Transportation Research Board, 2015 (NCHRP Report 813), 86 pp. <http://www.trb.org/Publications/Blurbs/173082.aspx>

##### **Report to the Governor and the Legislature on New Jersey's Roadway Pavement System - Fiscal Year 2014 /**

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2015-03 (Legislatively Mandated Reports), 31 pp. <http://www.state.nj.us/transportation/publicat/lmreports/pdf/pavementreport2014.pdf>

#### **Aviation**

##### **Airside Snow Removal Practices for Small Airports with Limited Budgets /**

Stephen M. Quilty -- Washington, DC : Transportation Research Board, 2015 (ACRP Synthesis 67), 100 pp. <http://www.trb.org/Publications/Blurbs/172978.aspx>

**Analysis of Federal Laws, Regulations, Case Law, and Survey of Existing Airport NPDES Permits Regarding Tenant-Operator Responsibilities Under NPDES and Stormwater Management BMPS Under Owner/Airport's Operating Permits /**

CDM Smith in collaboration with Barg Collin Lewis and Trapp, LLP -- Washington, DC : Transportation Research Board, 2015-07 (Legal Research Digest 25), 79 pp.  
<http://www.trb.org/Publications/Blurbs/173023.aspx>

**Aviation 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2449), 122 pp. <http://www.trb.org/main/blurbs/171855.aspx>

**Cell Phone Lots at Airports /**

Lois S. Kramer and Sydney Mandel -- Washington, DC : Transportation Research Board, 2015 (ACRP Synthesis 62), 63 pp. <http://www.trb.org/Publications/Blurbs/172784.aspx>

**Effects of Airline Industry Changes on Small- and Non-Hub Airports /**

William Spitz et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 142), 182 pp.  
<http://www.trb.org/Publications/Blurbs/173167.aspx>

**Guidebook on Best Practices for Airport Cybersecurity /**

Randall J. Murphy et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 140), 151 pp., with CD-ROM <http://www.trb.org/Publications/Blurbs/172854.aspx>

**Implementing Integrated Self-Service at Airports /**

Barich, Inc. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 136), 106 pp., with CD-ROM <http://www.trb.org/Publications/Blurbs/172884.aspx>

**Issues Related to Accommodating Animals Traveling Through Airports /**

James F. Smith and Elizabeth McKinney -- Washington, DC : Transportation Research Board, 2015 (ACRP Synthesis 64), 73 pp. <http://www.trb.org/Publications/Blurbs/172800.aspx>

**Lessons Learned from Airport Sustainability Plans /**

Renee Martin-Nagle and Adam Klauber -- Washington, DC : Transportation Research Board, 2015 (ACRP Synthesis 66), 88 pp. <http://www.trb.org/Publications/Blurbs/172887.aspx>

**Overview of Airport Fueling System Operations /**

Stephen M. Quilty -- Washington, DC : Transportation Research Board, 2015 (ACRP Synthesis 63), 106 pp. <http://www.trb.org/Publications/Blurbs/172631.aspx>

**Practices to Develop Effective Stakeholder Relationships at Smaller Airports /**

Bryan O. Elliot and L. William Kelly -- Washington, DC : Transportation Research Board, 2015 (ACRP Synthesis 65), 62 pp. <http://www.trb.org/Main/Blurbs/172885.aspx>

**Preventive Maintenance at General Aviation Airports - Volume 1: Primer /**

David C. Ploeger et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 138), 41 pp. <http://www.trb.org/Publications/Blurbs/172852.aspx>

### **Preventive Maintenance at General Aviation Airports - Volume 2: Guidebook /**

David C. Ploeger et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 138), 122 pp., includes CD-ROM <http://www.trb.org/Publications/Blurbs/172853.aspx>

### **Renewable Energy as an Airport Revenue Source /**

Stephen B. Barrett et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 141), various pagings <http://www.trb.org/Publications/Blurbs/172634.aspx>

### **Transformation in the Air: A Review of the FAA's Certification Research Plan /**

National Research Council, Committee to Review the Federal Aviation Administration Research Plan on Certification of New Technologies into the National Airspace System, Aeronautics and Space Engineering Board (ASEB), and Division on Engineering and Physical Sciences (DEPS) -- Washington, DC : National Academies Press, 2015, 60 pp.

[http://www.nap.edu/catalog/21757/transformation-in-the-air-a-review-of-the-faas-certification?utm\\_source=NAP+Newsletter&utm\\_campaign=27e3951763-Final\\_Book\\_2015\\_07\\_24\\_21757&utm\\_medium=email&utm\\_term=0\\_96101de015-27e3951763-102052865&goal=0\\_96101de015-27e3951763-102052865&mc\\_cid=27e3951763&mc\\_eid=6bffb24c7f](http://www.nap.edu/catalog/21757/transformation-in-the-air-a-review-of-the-faas-certification?utm_source=NAP+Newsletter&utm_campaign=27e3951763-Final_Book_2015_07_24_21757&utm_medium=email&utm_term=0_96101de015-27e3951763-102052865&goal=0_96101de015-27e3951763-102052865&mc_cid=27e3951763&mc_eid=6bffb24c7f)

### **Understanding Airport Air Quality and Public Health Studies Related to Airports /**

Brian Kim et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 135), 94 pp. <http://www.trb.org/Publications/Blurbs/172802.aspx>

## **Bridges and Structures**

### **An Autonomous Structural Health Monitoring System for Waiau Interchange /**

David T. Ma -- Honolulu, HI : University of Hawaii, Manoa ; Hawaii Dept. of Transportation, Highways Division, 2013-03 (TA-2008-2R), 96 pp.

### **Bridge Seismic Retrofit Measures Considering Subduction Zone Earthquakes /**

Peter Dusicka et al. -- Portland, OR : Portland State University, Dept. of Civil & Environmental Engineering ; Salem, OR : Oregon Dept. of Transportation, Research Section, 2015-07 (FHWA-OR-RD-16-01 ; SPR 741), 222 pp.

[http://www.oregon.gov/ODOT/TD/TP\\_RES/docs/Reports/2015/SPR741\\_FinalReport\\_LP.pdf](http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2015/SPR741_FinalReport_LP.pdf)

### **Design and Load Testing of Large Diameter Open-Ended Driven Piles /**

Dan A. Brown and W. Robert Thompson III -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 478), 128 pp. <http://www.trb.org/Publications/Blurbs/172888.aspx>

### **Design Loads on Structures During Construction /**

American Society of Civil Engineers, Structural Engineering Institute -- Reston, VA : ASCE, 2015 (ASCE/SEI 37-14), 37 pp.

### **Evaluation of Bridge Decks Using Non-Destructive Evaluation (NDE) at Near Highway Speeds for Effective Asset Management /**

Theresa (Tess) M. Ahlborn and Colin N. Brooks -- Houghton, MI : Michigan Technological University ; Lansing, MI : Michigan Dept. of Transportation, Office of Research and Best Practices, 2015-03 (RC-1617), 547 pp., in multiple .pdf files at URL

[http://www.michigan.gov/mdot/0,4616,7-151-9622\\_11045\\_24249\\_24251-361116--,00.html](http://www.michigan.gov/mdot/0,4616,7-151-9622_11045_24249_24251-361116--,00.html)

### **Implementation of a Pilot Continuous Monitoring System: Iowa Falls Arch Bridge /**

Brent M. Phares, Justin Dahlberg, and Nick Burdine -- Ames, IA : Iowa State University, Bridge Engineering Center ; Iowa Dept. of Transportation, 2015-06 (InTrans Project 10-371), 71 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/Iowa\\_Falls\\_Arch\\_Bridge\\_w\\_cvr1.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/Iowa_Falls_Arch_Bridge_w_cvr1.pdf)

### **Investigation of Panel-to-Panel Connections and Block-outs for Full-Depth Precast Concrete Bridge Decks /**

Matthew K. Swenty, Thomas E. Cousins, and Carin L. Roberts-Wollmann -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2015-06 (FHWA/VCTIR 15-R5), 73 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/15-r5.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/15-r5.pdf)

### **LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals - First Edition 2015 [Looseleaf] /**

American Association of State Highway and Transportation Officials, Highways Subcommittee on Bridges and Structures 2014 -- 1st edition -- Washington, DC : AASHTO, 2015, various pagings

### **Parametric Study of Ordinary Standard Bridges Using OpenSees and CSiBridge /**

Jinchi Lu, Ahmed Elgamal, and Kevin R. Mackie -- La Jolla, CA : University of California, San Diego, School of Engineering, Dept. of Structural Engineering ; Sacramento, CA : California Dept. of Transportation, Division of Engineering Services, 2015-07 (CA16-2419 ; UCSD / SSRP-14/03), 362 pp.  
[http://www.dot.ca.gov/hq/research/researchreports/reports/2015/final\\_report\\_task\\_2419.pdf](http://www.dot.ca.gov/hq/research/researchreports/reports/2015/final_report_task_2419.pdf)

### **Railroad Bridge Dynamics and Ratings /**

Kevin Bollinger -- Chicago, IL : Hatch Mott MacDonald ; Washington, DC : Transportation Research Board, 2015-06 (Rail Safety IDEA Project 24), 34 pp.  
<http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Safety/Safety24.pdf>

### **Subsurface Imaging of Corrosion in Painted Steel Bridges /**

Alexander Sidelev -- Brooklyn, NY : New York University Polytechnic School of Engineering ; New York : City College of New York, University Transportation Research Center - Region 2, 2014-01 (Contract No. 49997-42-24), 19 pp. [http://www.utrc2.org/sites/default/files/pubs/Final-Subsurface-Imaging.pdf?utm\\_source=3-24-15+Final+Reports&utm\\_campaign=07-06-14+PR-Final+Reports&utm\\_medium=email](http://www.utrc2.org/sites/default/files/pubs/Final-Subsurface-Imaging.pdf?utm_source=3-24-15+Final+Reports&utm_campaign=07-06-14+PR-Final+Reports&utm_medium=email)

### **Using Expert Opinion to Quantify Accuracy and Reliability of Nondestructive Evaluation on Bridges /**

Alex Hesse, Rebecca Atadero, and Mehmet Ozbek -- Denver, CO : Colorado State University, 2015-08 (MPC 15-288), 93 pp. <http://www.ugpti.org/resources/reports/downloads/mpc15-288.pdf>

## **Energy and Environment**

### **Air Quality /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2503), 162 pp. <http://www.trb.org/Publications/Blurbs/173205.aspx>

### **Environmental Performance Measures for State Departments of Transportation /**

Joe Crossett, Jeff Ang-Olson, and Jeff Frantz -- Washington, DC : Transportation Research Board, 2015 (NCHRP Report 809), 137 pp. <http://www.trb.org/Publications/Blurbs/173012.aspx>

### **Explaining the U.S. Petroleum Consumption Surprise /**

United States, Executive Office of the President -- Washington, DC : U.S. Executive Office of the President, 2015-06, 30 pp.  
[https://www.whitehouse.gov/sites/default/files/docs/explaining\\_us\\_petroleum\\_consumption\\_surprise\\_final.pdf](https://www.whitehouse.gov/sites/default/files/docs/explaining_us_petroleum_consumption_surprise_final.pdf)

### **Moving Energy /**

Transportation Research Board -- Washington, DC : TRB, 2015-06 (TR News No. 298 (June-July-August 2015)), 56 pp. <http://www.trb.org/Publications/Blurbs/173066.aspx>

## **Freight / Goods Movement**

### **Freight Systems: Economic, Planning, and Logistics - Volume 1 /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2477), 105 pp. <http://www.trb.org/Publications/Blurbs/173111.aspx>

### **Implementing the Freight Transportation Data Architecture: Data Element Dictionary /**

C. Michael Walton et al. -- Washington, DC : Transportation Research Board, 2015 (NCFRP Report 35), 149 pp. <http://www.trb.org/Publications/Blurbs/173083.aspx>

### **New Jersey Statewide Freight Rail Strategic Plan: Moving New Jersey Forward /**

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2014-06, 332 pp.  
<http://www.state.nj.us/transportation/freight/plan/pdf/FRSP.pdf>

## **Geotechnical**

### **Distribution of Chloride, pH, Resistivity and Sulfate Levels in Backfill for Mechanically-Stabilized Earth Walls and Implications for Corrosion Testing /**

Noreen Poor, Manjriker Gunaratne, and Thilanki Rajaguru -- Tampa, FL : University of South Florida, Dept. of Civil & Environmental Engineering ; Tallahassee, FL : Florida Dept. of Transportation, 2015-06 (FDOT BDV25-977-03), 378 pp.  
[http://www.dot.state.fl.us/research-center/Completed\\_Proj/Summary\\_SMO/FDOT-BDV25-977-03-rpt.pdf](http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_SMO/FDOT-BDV25-977-03-rpt.pdf)

### **Soil Mechanics /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2511), 120 pp. <http://www.trb.org/Publications/Blurbs/173139.aspx>

## **GIS/GPS**

### **DOTD Standards for GPS Data Collection Accuracy /**

Joshua D. Kent et al. -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering, Center for Geoinformatics ; Louisiana Dept. of Transportation and Development, 2015-09 (FHWA/LA.539), 293 pp. [http://www.ltrc.lsu.edu/pdf/2015/FR\\_539.pdf](http://www.ltrc.lsu.edu/pdf/2015/FR_539.pdf)

## **Human Resources**

## **Commercial Driver's Licensing: Federal Oversight of State Programs Could Be Improved - Report to Congressional Requestors /**

United States Government Accountability Office -- Washington, DC : U.S. GAO, 2015-07 (GAO-15-607), 63 pp. <http://www.gao.gov/assets/680/671429.pdf>

## **Employee Handbook /**

New Jersey Department of Transportation, Division of Human Resources -- Trenton, NJ : NJDOT, 2015-07, 44 pp. <http://njdotintranet.dot.state.nj.us/divbur/hres/hr/pdf/handbook.pdf>

## **Intelligent Transportation Systems (ITS)**

### **Cost and Benefits of MDOT Intelligent Transportation System Deployments /**

Jun-Seok Oh et al. -- Kalamazoo, MI : Western Michigan University ; Lansing, MI : Michigan Dept. of Transportation, Research Administration, 2015-07 (RC-1631), 203 pp.  
[http://www.michigan.gov/documents/mdot/RC1631\\_495995\\_7.pdf](http://www.michigan.gov/documents/mdot/RC1631_495995_7.pdf)

### **Saxton Lab Demonstrates Nation's First Automated Eco-Friendly Cruise Control [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, Transportation Operations Research and Development, TFHRC, 2015 (FHWA-HRT-15-060), 4 pp.

### **Technical Report on Prototype Intelligent Network Flow Optimization (INFLO) Dynamic Speed Harmonization and Queue Warning /**

Denny Stephens et al. -- Columbus, OH : Batelle ; Washington, DC : United States Dept. of Transportation, Research and Innovative Technology Administration (RITA), ITS Joint Program Office, 2015-06 (FHWA-JPO-15-213), 125 pp.  
[http://ntl.bts.gov/lib/55000/55300/55304/100030614-601\\_Technical\\_Report\\_on\\_Prototype\\_Intelligent\\_Network\\_Flow\\_Optimization\\_Final\\_.pdf](http://ntl.bts.gov/lib/55000/55300/55304/100030614-601_Technical_Report_on_Prototype_Intelligent_Network_Flow_Optimization_Final_.pdf)

## **Landscape and Urban Design**

### **Native Grass Hydroseed Development: Establishment Protocols for Three Native Hawaiian Plants on Roadside Areas /**

Joseph DeFrank, Orville Baldos, and Scott Lukas -- Honolulu, HI : University of Hawaii at Manoa, Dept. of Tropical Plant and Soil Science ; Hawaii Dept. of Transportation, Highways Division, 2012-08 (FHWA/HI-15-54469), 41 pp.  
[http://ntl.bts.gov/lib/55000/55400/55439/Native\\_Grass\\_Hydroseed\\_Development\\_Final\\_Report.pdf](http://ntl.bts.gov/lib/55000/55400/55439/Native_Grass_Hydroseed_Development_Final_Report.pdf)

## **Marine / Waterways**

### **Audit Template for Inland Port Sustainability /**

Doug Kreis et al. -- Lexington, KY : University of Kentucky, College of Engineering, Kentucky Transportation Center ; Huntington, WV : Multimodal Transportation and Infrastructure Consortium, 2014-11 (KTC-14-11/MTIC1-14-1F), 290 pp.  
[http://www.ktc.uky.edu/files/2014112/JKTC\\_14\\_11\\_MTIC1\\_14\\_1F.pdf](http://www.ktc.uky.edu/files/2014112/JKTC_14_11_MTIC1_14_1F.pdf)

## **Marine Transportation, Port Operations, and Intermodal Freight /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2479), 92 pp. <http://www.trb.org/main/blurbs/173022.aspx>

## **Materials**

### **Asphalt Mixture Performance Characterization Using Small-Scale Cylindrical Specimens /**

Brian K. Diefenderfer, Benjamin F. Bowers, and Stacey D. Diefenderfer -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2015-06 (VCTIR 15-R26), 55 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/15-r26.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/15-r26.pdf)

### **Blended Aggregates for Concrete Mixture Optimization: Best Practices for Jointed Concrete Pavements [TechBrief] /**

Peter Taylor and Gary Fick -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2015-07 (FHWA-HIF-15-019), 4 pp. <http://www.fhwa.dot.gov/pavement/concrete/pubs/hif15019.pdf>

### **Evaluation of Low Temperature Cracking Resistance of WMA /**

Sang-Soo Kim et al. -- Athens, OH : Ohio University ; Columbus, OH : Ohio Dept. of Transportation, 2015-05 (FHWA/OH-2015/11), 121 pp. <http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/12602>

### **Evaluation of Resistivity Meters for Concrete Quality Assurance /**

John Kevern, and Ceki Halmen, and Dirk Hudson -- Kansas City, MO : University of Missouri-Kansas City ; Jefferson City, MO : Missouri Dept. of Transportation, 2015-06 (Project TR201414), 101 pp. <http://library.modot.mo.gov/RDT/reports/TR201414/cmr16-001.pdf>

### **Evaluation of Surface Resistivity Indication of Ability of Concrete to Resist Chloride Ion Penetration /**

Hani Nassif et al. -- Piscataway, NJ : Rutgers, The State University of New Jersey, Rutgers Infrastructure Monitoring and Evaluation (RIME) Group ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2015-03 (FHWA-NJ-2015-005), 98 pp. <http://www.state.nj.us/transportation/refdata/research/ReportsDB.shtm>

### **HMA Pay Adjustment /**

Hao Wang et al. -- Piscataway, NJ : Rutgers, The State University of New Jersey, Center for Advanced Infrastructure and Transportation ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2015-06 (FHWA-NJ-2015-007), 128 pp. <http://www.state.nj.us/transportation/refdata/research/ReportsDB.shtm>

### **Materials-Related Distress: Hardened Cement Paste - Best Practices for Jointed Concrete Pavements [TechBrief] /**

Lawrence L. Sutter -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2015-06 (FHWA-HIF-15-018), 6 pp. <http://www.fhwa.dot.gov/pavement/concrete/pubs/hif15018.pdf>

### **Methods and Practices on Reduction and Elimination of Asphalt Mix Segregation /**

Mary Stroup-Gardiner -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 477), 106 pp. <http://www.trb.org/Publications/Blurbs/172730.aspx>

**Standard Specifications for Transportation Materials and Methods of Sampling and Testing and AASHTO Provisional Standards - Part 1A: Specifications M 6 - M 288 /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 35th edition -- Washington, DC : AASHTO, 2015, various pagings

**Standard Specifications for Transportation Materials and Methods of Sampling and Testing and AASHTO Provisional Standards - Part 1B: Specifications M 289 - R 69 /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 35th edition -- Washington, DC : AASHTO, 2015, various pagings

**Standard Specifications for Transportation Materials and Methods of Sampling and Testing and AASHTO Provisional Standards - Part 2A: Tests T 2 - T 237 /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 35th edition -- Washington, DC : AASHTO, 2015, various pagings

**Standard Specifications for Transportation Materials and Methods of Sampling and Testing and AASHTO Provisional Standards - Part 2B: Tests T 240 - T 358 /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 35th edition -- Washington, DC : AASHTO, 2015, various pagings

**Standard Specifications for Transportation Materials and Methods of Sampling and Testing and AASHTO Provisional Standards - Part 3: Provisionals: MP 16 - MP 26, PP 54 - PP 81, TP 72 - TP 119 /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 35th edition -- Washington, DC : AASHTO, 2015, various pagings

**Sustainable Aggregate Production: Green Applications for Aggregate By-Products /**

Erol Tutumluer et al. -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2015-06 (FHWA-ICT-15-012), 73 pp.  
<https://apps.ict.illinois.edu/projects/getfile.asp?id=3507>

## **Operations and Maintenance**

**Designing, Developing and Implementing a Living Snow Fence Program for New York State /**

Justin P. Heavey et al. -- Syracuse, NY : State University of New York, College of Environmental Science and Forestry ; Albany, NY : NYS Dept. of Transportation, 2015-07 (C-06-09), 456 pp.  
[https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/C-06-09\\_Final%20Report\\_0.pdf](https://www.dot.ny.gov/divisions/engineering/technical-services/trans-r-and-d-repository/C-06-09_Final%20Report_0.pdf)

**Maintenance and Preservation /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2481), 139 pp. <http://www.trb.org/main/blurbs/173203.aspx>

## **Pavements**



### **Benefits of MnROAD Phase-II Research /**

Benjamin Worel and Dave Van Deusen -- St. Paul, MN : Minnesota Dept. of Transportation, Office of Materials and Road Research ; Research Services and Library, 2015-05 (MN/RC 2015-19), 68 pp.  
<http://www.dot.state.mn.us/research/TS/2015/201519.pdf>

### **Best Practices and Performance Assessment for Preventive Maintenance Treatments for Virginia Pavements /**

Edgar de León Izeppi et al. -- Blacksburg, VA : Virginia Tech Transportation Institute ; Richmond, VA : Virginia Dept. of Transportation, 2015-08 (FHWA/VCTIR 16-R3), 60 pp.  
[http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/16-r3.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/16-r3.pdf)

### **Consideration of Preservation in Pavement Design and Analysis Procedures /**

Applied Pavement Technology, Inc. -- Washington, DC : Transportation Research Board, 2015 (NCHRP Report 810), 60 pp. <http://www.trb.org/Publications/Blurbs/172941.aspx>

### **Effectiveness-Based Pavement Preservation Selection Based on Statistical Analysis of Long Term Pavement Performance Data: Evaluation of Pavement Surface Friction Subject to Various Pavement Preservation Treatments [TechBrief] /**

Hao Wang and Zilong Wang -- Piscataway, NJ : Rutgers, The State University of New Jersey, Dept. of Civil and Environmental Engineering ; New York : City College of New York, University Transportation Research Center (UTRC) - Region 2, 2014-06 (Project No. 49997-55-24), 7 pp.  
[http://www.utrc2.org/sites/default/files/pubs/Final-Pavement-Performance-Data.pdf?utm\\_source=3-24-15+Final+Reports&utm\\_campaign=07-06-14+PR-Final+Reports&utm\\_medium=email](http://www.utrc2.org/sites/default/files/pubs/Final-Pavement-Performance-Data.pdf?utm_source=3-24-15+Final+Reports&utm_campaign=07-06-14+PR-Final+Reports&utm_medium=email)

### **Evaluating Roadway Surface Rating Technologies /**

Bruce Belzowski and Andrew Ekstrom -- Lansing, MI : Michigan Dept. of Transportation, 2015-06 (RC-1621 ; UMTRI-2015-19), 65 pp. [http://www.michigan.gov/documents/mdot/RC1621\\_493901\\_7.pdf](http://www.michigan.gov/documents/mdot/RC1621_493901_7.pdf)

### **Evaluation of Pavement Safety Performance /**

David K. Merritt, Craig A. Lyon, and Bhagwant N. Persaud -- Austin, TX : Transtec Group, Inc. ; McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, Turner-Fairbank Highway Research Center, 2015-02 (FHWA-HRT-14-065), 159 pp., includes errata  
<http://www.trb.org/main/blurbs/172323.aspx>

### **Joor Road Noise Level Assessment /**

Kevin Gaspard, Tyson Rupnow, and Zhongjie Zhang -- Baton Rouge, LA : Louisiana Transportation Research Center ; Louisiana Dept. of Transportation and Development, 2015-07 (FHWA/LA946/14-01TA-P), 70 pp. <http://www.ltrc.lsu.edu/pdf/2015/tar1401TAP.pdf>

### **Long-Term Pavement Performance Automated Faulting Measurement /**

Mahesh Agurla and Sean Lin -- Chantilly, VA : Engineering & Software Consultants, Inc. ; McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, Office of Infrastructure Research and Development, 2015-02 (FHWA-HRT-14-092), 40 pp.  
<http://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/14092/14092.pdf>

### **Low-Volume Roads 2015 - Volume 2 /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2473), 249 pp. <http://www.trb.org/main/blurbs/172942.aspx>

### **Low-Volume Roads 2015 - Volume 3 /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Board No. 2474), 224 pp. <http://www.trb.org/main/blurbs/172945.aspx>

### **Mechanistic-Empirical Pavement Design Guide: A Manual of Practice /**

American Association of State Highway and Transportation Officials, 2015/2016 Joint Technical Committee on Pavements -- 2nd edition -- Washington, DC : AASHTO, 2015-08, 200 pp.

### **A Method to Assess the Use of New and Recycled Materials in Pavements /**

Muhammed Emin Kutay et al. -- East Lansing, MI : Michigan State University ; Lansing : Michigan Dept. of Transportation, 2015-04 (RC-1624), 100 pp.  
[http://www.michigan.gov/documents/mdot/RC-1624\\_499756\\_7.pdf](http://www.michigan.gov/documents/mdot/RC-1624_499756_7.pdf)

### **Refined Limiting Strain Criteria and Approximate Ranges of Maximum Thicknesses for Designing Long-Life Asphalt Pavements /**

Nam Tran et al. -- Auburn, AL : Auburn University, National Center for Asphalt Technology, 2015-09 (NCAT Report 15-05), 38 pp. <http://www.ncat.us/files/reports/2015/15-05.pdf>

## **Planning**

### **Assessing Behavior Changes Under the Influence of Travel Demand Management Strategies - Freight Carriers' Behavior Changes in Response to Toll Increases /**

Xiaokun (Cara) Wang -- Troy, NY : Rensselaer Polytechnic Institute ; New York : CCNY, University Transportation Research Center - Region 2, 2014-11 (Contract No. 49997-23-24), 36 pp.  
[http://www.utrc2.org/sites/default/files/pubs/Final-Assessing-Travel-Behavior.pdf?utm\\_source=3-24-15+Final+Reports&utm\\_campaign=07-06-14+PR-Final+Reports&utm\\_medium=email](http://www.utrc2.org/sites/default/files/pubs/Final-Assessing-Travel-Behavior.pdf?utm_source=3-24-15+Final+Reports&utm_campaign=07-06-14+PR-Final+Reports&utm_medium=email)

### **Commuting to Work in the 30 Largest U.S. Cities /**

Michael Sivak -- Ann Arbor, MI : University of Michigan, Transportation Research Institute ; Sustainable Worldwide Transportation, 2015-05 (UMTRI-2015-17), 26 pp.  
<http://deepblue.lib.umich.edu/bitstream/handle/2027.42/112057/103196.pdf?sequence=1&isAllowed=y>

### **Driving Sustainable Development Through Better Infrastructure: Key Elements of a Transformation Program /**

Amar Bhattacharya, Jeremy Oppenheim, and Nicholas Stern -- Washington, DC : Brookings Institution, Global Economy and Development Program ; [s.l.] : Global Commission on the Economy and Climate, the New Climate Economy ; London : Grantham Research Institute on Climate Change and the Environment, 2015-07 (Global Economy & Development Working Paper 91), 48 pp.  
<http://www.brookings.edu/~media/Research/Files/Papers/2015/07/sustainable-development-transformation-program/07-sustainable-development-infrastructure-v2.pdf?la=en>

### **Economic Sustainability of Inner City Streets: A Collaborative Sustainable Asset Management Transportation System Model /**

Fara Zakery and Joyce M. Eisel -- St. Louis, MO : Harris-Stowe State University, Anheuser-Busch School of Business ; Ames, IA : Iowa State University, Institute for Transportation, Midwest Transportation Center, 2015-07, 22 pp.  
[http://www.intrans.iastate.edu/research/documents/research-reports/asset\\_mgmt\\_transportation\\_system\\_model\\_w\\_cvr.pdf](http://www.intrans.iastate.edu/research/documents/research-reports/asset_mgmt_transportation_system_model_w_cvr.pdf)

### **Greening America's Capitals: Montpelier, Vermont /**

U.S. Environmental Protection Agency, Office of Sustainable Communities, Smart Growth Program --  
Washington, DC : U.S. EPA, 2015-06, 37 pp.  
[http://www2.epa.gov/sites/production/files/2015-06/documents/gac\\_montpelier.pdf](http://www2.epa.gov/sites/production/files/2015-06/documents/gac_montpelier.pdf)

### **Greening Capitol Way: Olympia, Washington /**

U.S. Environmental Protection Agency, Office of Sustainable Communities, Smart Growth Program --  
Washington, DC : U.S. EPA, 2015-05, 50 pp.  
<http://www2.epa.gov/sites/production/files/2015-05/documents/gac-olympia.pdf>

### **Greening the Allegan and Ottawa Parking Lots in the Capitol Complex: Lansing, Michigan /**

U.S. Environmental Protection Agency, Office of Sustainable Communities, Smart Growth Program --  
Washington, DC : U.S. EPA, 2015-05, 46 pp.  
[http://www2.epa.gov/sites/production/files/2015-05/documents/lansing\\_gac.pdf](http://www2.epa.gov/sites/production/files/2015-05/documents/lansing_gac.pdf)

### **Institutionalizing Safety in Transportation Planning Processes: Techniques, Tactics, and Strategies /**

Cambridge Systematics, Inc. -- Washington, DC : Transportation Research Board, 2015 (NCHRP Report 811), 46 pp. <http://www.trb.org/Publications/Blurbs/172977.aspx>

### **Lone Star LTAP Peer Exchange /**

Anthony Alotto -- College Station, TX : Texas A&M University System ; Texas A&M Engineering Extension Service ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2014-05 (FHWA/TX-15/5-0575-13), 84 pp.  
<https://teex.org/documentsresources/LTAP%20Peer%20Exchange%20Report%20May%202014.pdf>

### **Network Modeling - Volume 2 /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2498), 108 pp. <http://www.trb.org/Publications/Blurbs/172970.aspx>

### **Planning for States and Nation-States in the U.S. and Europe /**

Gerrit-Jan Knaap, Zorica Nedovic-Budic, and Armando Carbonell, editors -- Cambridge, MA : Lincoln Institute of Land Policy, 2015-04, 552 pp.  
[http://www.lincolnst.edu/pubs/2509\\_Planning-for-States-and-Nation-States-in-the-US-and-Europe](http://www.lincolnst.edu/pubs/2509_Planning-for-States-and-Nation-States-in-the-US-and-Europe)

### **Public Involvement Techniques for Transportation Decisionmaking /**

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2015 (FHWA-HEP-15-044), 171 pp.  
[http://www.fhwa.dot.gov/planning/public\\_involvement/publications/pi\\_techniques/fhwahep15044.pdf](http://www.fhwa.dot.gov/planning/public_involvement/publications/pi_techniques/fhwahep15044.pdf)

### **Reducing Coastal Risk on the East and Gulf Coasts /**

Committee on U.S. Army Corps of Engineers Water Resources Science, Engineering, and Planning: Coastal Risk Reduction et al. -- Washington, DC : National Academies Press, 2014, 209 pp.  
<http://www.nap.edu/catalog/18811/reducing-coastal-risk-on-the-east-and-gulf-coasts>

### **Smart Growth Self-Assessment for Rural Communities: Madison County, New York /**

U.S. Environmental Protection Agency, Office of Sustainable Communities, Smart Growth Program --  
Washington, DC : USEPA, 2015-08, 103 pp.  
[http://www2.epa.gov/sites/production/files/2015-07/documents/madison\\_county\\_sgia\\_071015.pdf](http://www2.epa.gov/sites/production/files/2015-07/documents/madison_county_sgia_071015.pdf)

## **Virginia Department of Transportation (VDOT) Travel Model Improvement Program Peer Review /**

Jason Lemp -- Cambridge, MA : Cambridge Systematics, Inc. ; Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, Office of Planning, Environment, and Realty, 2015-06 (FHWA-HEP-15-042), 42 pp.  
[http://www.fhwa.dot.gov/planning/tmip/resources/peer\\_review\\_program/vdot/fhwahep15042.pdf](http://www.fhwa.dot.gov/planning/tmip/resources/peer_review_program/vdot/fhwahep15042.pdf)

## **When are Bus Lanes Warranted?: Considering Economic Efficiency, Social Equity, and Strategic Planning Goals /**

Todd Litman -- Victoria, BC : Victoria Transport Policy Institute, 2015-08, 23 pp.  
<http://www.vtpi.org/blw.pdf>

## **Rail**

### **Evaluation of the Federal Railroad Administration Research and Development Program /**

Transportation Research Board, Committee for Evaluation of the Federal Railroad Administration Research and Development Program -- Washington, DC : TRB, 2015 (Special Report 316), 61 pp.  
<http://www.trb.org/main/blurbs/172277.aspx>

## **Reference**

### **Civil PE Practice Examination /**

Michael R. Lindeburg -- 5th edition -- Belmont, CA : Professional Publications, Inc., 2014, 156 pp.

### **CodeMaster: Seismic Design Category [Fact Sheet] /**

Structures and Codes Institute -- [s.l.] : S.K. Ghosh Associates Inc., 2014 (2012 IBC ; ASCE 7-10), 2 pp., laminated

### **CodeMaster: Structural Wood Design ASD/LRFD [Fact Sheet] /**

Structures and Codes Institute -- [s.l.] : S.K. Ghosh Associates Inc., 2014 (2012 IBC ; ASCE 7-10 ; 2013 NDS), 6 pp., trifold, laminated

### **FE Civil Practice Problems for the Civil Fundamentals of Engineering Exam /**

Michael R. Lindeburg -- Belmont, CA : Professional Publications, Inc., 2014, various pagings

### **FE Civil Review Manual: Rapid Preparation for the Civil Fundamentals of Engineering Exam /**

Michael R. Lindeburg -- Belmont, CA : Professional Publications, Inc., 2014, various pagings

### **Manual of the Legislature of New Jersey: Two Hundred and Sixteenth Legislature (Second Session) - 2015 /**

Lawyers Diary and Manual, LLC - by authority of the Legislature -- Summit, NJ : Lawyers Diary and Manual, LLC, 2015, 1084 pp.

## **Research**

### **The Essential Federal Role in Highway Research and Innovation /**

Transportation Research Board, Research and Technology Coordinating Committee -- Washington, DC : TRB, 2015 (Special Report 317), 52 pp. <http://www.trb.org/main/blurbs/172447.aspx>

### **Research and Education /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2480), 63 pp. <http://www.trb.org/main/blurbs/173243.aspx>

### **Video Analytics Research Projects [Brochure] /**

Exploratory Advanced Research Program (EAR) -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, 2015 (FHWA-HRT-15-025), 12 pp.

### **Virginia and West Virginia's Transportation Research Co-Peer Exchange (June 22-26, 2014) /**

Donald L. Williams, David M. Jared, and William "Bill" King, Jr. -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2015-04 (FHWA/VCTIR 15-R14), 45 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/15-r14.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/15-r14.pdf)

### **West Virginia Department of Transportation Research and Special Studies Policy Manual /**

West Virginia Department of Transportation, Program Planning and Administration Division, Research and Special Studies Section -- Charleston, WV : WVDOT, Research and Special Studies, 2012-02, 206 pp.

## **Safety & Human Performance**

### **Cable-to-Post Attachments for Use in Non-Proprietary High-Tension Cable Median Barrier - Phase II /**

Scott K. Rosenbaugh et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2015-06 (TRP-03-313-15), 149 pp.

### **Crash Prediction Method for Freeway Facilities with High Occupancy Vehicle (HOV) and High Occupancy Toll (HOT) Lanes /**

Sivaramakrishnan Srinivasan et al. -- Gainesville, FL : University of Florida, Dept. of Civil and Coastal Engineering ; Tallahassee, FL : Florida Dept. of Transportation Research Center, 2015-07 (FDOT BDV32-977-04), 60 pp.  
[http://www.dot.state.fl.us/research-center/Completed\\_Proj/Summary\\_PL/FDOT-BDV32-977-04-rpt.pdf](http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_PL/FDOT-BDV32-977-04-rpt.pdf)

### **Danger Behind the Wheel: The Takata Airbag Crisis and How to Fix Our Broken Auto Recall Process: Staff Report for Ranking Member Nelson, June 22, 2015 /**

United States Senate, Committee on Commerce, Science, and Transportation, Office of Oversight and Investigations, Minority Staff -- Washington, DC : United States Senate, 2015-06, 45 pp.  
[http://www.commerce.senate.gov/public/?a=Files.Serve&File\\_id=998a3b71-e717-4a25-904c-5882b2dc23d0](http://www.commerce.senate.gov/public/?a=Files.Serve&File_id=998a3b71-e717-4a25-904c-5882b2dc23d0)

### **Design of an Improved Post for Use in a Non-Proprietary High-Tension Cable Median Barrier /**

Robert W. Bielenberg et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Regional Pooled Fund Program, 2015-05 (TRP-03-286-15), 225 pp., includes CD-ROM

### **Evaluation of a Buried Cable Roadside Animal Detection System /**

Cristian Druta and Andrew S. Alden -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2015-06 (FHWA/VCTIR 15-R25), 45 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/15-r25.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/15-r25.pdf)

### **Extraction of Basic Roadway Information for Non-State Roads in Florida /**

Wanyang Wu, Albert Gan, and Priyanka Alluri -- Miami, FL : Florida International University, Lehman Center for Transportation Research ; Tallahassee, FL : State of Florida Dept. of Transportation, Research Center, 2015-06 (FDOT BDV29-977-07), 46 pp. [http://www.dot.state.fl.us/research-center/Completed\\_Proj/Summary\\_SF/FDOT-BDV29-977-07-rpt.pdf](http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_SF/FDOT-BDV29-977-07-rpt.pdf)

### **Identification of Test Methods for Determining Wood Guardrail Post Integrity /**

Donald A. Bender and Evan Olszko -- Pullman, WA : Washington State University, Dept. of Civil and Environmental Engineering ; Olympia, WA : Washington State Dept. of Transportation, Research Office, 2015-06 (WA-RD 843.1), 61 pp. <http://www.wsdot.wa.gov/research/reports/fullreports/843.1.pdf>

### **Low-Volume Roads 2015 - Volume 1 /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2472), 242 pp. <http://www.trb.org/main/blurbs/172803.aspx>

### **Mapping to MMUCC: A Process for Comparing Police Crash Reports and State Crash Databases to the Model Minimum Uniform Crash Criteria /**

Governors Highway Safety Association and the National Highway Traffic Safety Administration -- Washington, DC : NHTSA, Office of Traffic Records and Analysis, 2015-07 (DOT HS 812 184), 34 pp. <http://www-nrd.nhtsa.dot.gov/Pubs/812184.pdf>

### **Michigan Urban Trunkline Intersections Safety Performance Functions (SPFs) Development and Support /**

Peter T. Savolainen et al. -- Detroit, MI : Wayne State University ; Lansing, MI : Michigan Dept. of Transportation, Research Administration, 2015-06 (RC-1628), 164 pp. [http://www.michigan.gov/documents/mdot/RC1628\\_497550\\_7.pdf](http://www.michigan.gov/documents/mdot/RC1628_497550_7.pdf)

### **National Child Restraint Use Special Study - Summary of Statistical Findings [Fact Sheet] /**

National Highway Traffic Safety Administration -- Washington, DC : U.S. Dept. of Transportation, NHTSA, 2015-06 (DOT HS 812 157), 2 pp. <http://www-nrd.nhtsa.dot.gov/Pubs/812157.pdf>

### **Safety Evaluation of Centerline Plus Shoulder Rumble Strips /**

Craig Lyon, Bhagwant Persaud, and Kimberly Eccles -- Vienna, VA : Vanessa Hangen Brustlin, Inc. (VHB) Persaud Lyon, Inc. ; McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, Office of Safety Research and Development, 2015-06 (FHWA-HRT-15-048), 64 pp. <http://www.fhwa.dot.gov/publications/research/safety/15048/15048.pdf>

### **Truck and Bus Safety; Roundabouts /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2517), 95 pp. <http://www.trb.org/main/blurbs/173164.aspx>

## **Using Driver Simulators to Measure the Impact of Distracted Driving on Commercial Motor Vehicle Operators - Research Brief [TechBrief] /**

Federal Motor Carrier Safety Administration -- Washington, DC : U.S. Dept. of Transportation, FMCSA, 2015-06, 2 pp.  
[http://ntl.bts.gov/lib/55000/55100/55168/13-048\\_-\\_Distracted\\_Driving\\_Research\\_Brief\\_-\\_FINAL\\_-\\_June\\_2015.pdf](http://ntl.bts.gov/lib/55000/55100/55168/13-048_-_Distracted_Driving_Research_Brief_-_FINAL_-_June_2015.pdf)

## **Security**

### **Security of Road Infrastructure /**

World Road Association Task Force 2 - Security Task Force -- La Defense cedex, France : World Road Association (PIARC), 2015 (2015R01EN), 23 pp.  
<http://www.piarc.org/en/order-library/23425-en-SECURITY%20OF%20ROAD%20INFRASTRUCTURE.htm>

## **Traffic**

### **Adaptive Video-based Vehicle Classification Technique for Monitoring Traffic /**

Heng Wei et al. -- Cincinnati, OH : University of Cincinnati, Dept. of Civil and Architectural Engineering and Construction Management ; Columbus, OH : Ohio Dept. of Transportation, 2015-08 (FHWA/OH-2015/20), 66 pp.  
<http://www.ohiomemory.org/cdm/singleitem/collection/p267401ccp2/id/12837/rec/7>

### **Develop Annual Arterial Congestion Report /**

Henry X. Liu and Heng Hu -- Ann Arbor, MI : University of Michigan - Ann Arbor, Dept. of Civil and Environmental Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2015-06 (MN/RC 2015-32), 34 pp. <http://ww2w.dot.state.mn.us/research/TS/2015/201532.pdf>

### **Development of Active Traffic Management Strategies for Minnesota Freeway Corridors /**

Eil Kwon and Chongmyung Park -- Duluth, MN : University of Minnesota Duluth ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2015-06 (MN/RC 2015-26), 55 pp.  
<http://www.dot.state.mn.us/research/TS/2015/201526.pdf>

### **Evaluation of the Virginia Department of Transportation Adaptive Signal Control Technology Pilot Project /**

Michael D. Fontaine, Jiaqi Ma, and Jia Hu -- Charlottesville, VA : Virginia Center for Transportation Innovation and Research ; Richmond, VA : Virginia Dept. of Transportation, 2015-06 (VCTIR 15-R24), 56 pp. [http://www.virginiadot.org/vtrc/main/online\\_reports/pdf/15-r24.pdf](http://www.virginiadot.org/vtrc/main/online_reports/pdf/15-r24.pdf)

### **Field Implementation, Testing, and Refinement of Density Based Coordinated Ramp Control Strategy /**

John Hourdos et al. -- Minneapolis, MN : University of Minnesota, Dept. of Civil, Environmental, and Geo-Engineering, Minnesota Traffic Observatory ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2015-06 (MN/RC 2015-37), 142 pp.  
<http://www.its.umn.edu/Publications/ResearchReports/reportdetail.html?id=2448>

### **MDT Special Events Planning Synthesis Literature Review /**

Karalyn Clouser, Jaime Eidswick, and Steve Albert -- Bozeman, MT : Montana State University, College of Engineering, Western Transportation Institute ; Helena, MT : Montana Dept. of Transportation, 2015-06, 32 pp.  
[http://www.mdt.mt.gov/other/research/external/docs/research\\_proj/special\\_event\\_traffic/Task3\\_June15.pdf](http://www.mdt.mt.gov/other/research/external/docs/research_proj/special_event_traffic/Task3_June15.pdf)

### **Real Time Driver Information for Congestion Management /**

Sherif Ishak et al. -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, Louisiana Transportation Research Center, 2015-07 (FHWA/LA.08/543), 68 pp. [http://www.ltrc.lsu.edu/pdf/2015/FR\\_543.pdf](http://www.ltrc.lsu.edu/pdf/2015/FR_543.pdf)

### **Signal Timing Manual - Second Edition /**

Tom Urbanik et al. -- 2nd edition -- Washington, DC : Transportation Research Board, 2015 (NCHRP Report 812), various pagings <http://www.trb.org/Publications/Blurbs/173121.aspx>

## **Transit**

### **The Benefits of Transit in the United States: A Review and Analysis of Benefit-Cost Studies /**

Christopher E. Ferrell -- San Jose, CA : San Jose State University, College of Business, Mineta Transportation Institute ; Washington, DC : U.S. Dept. of Transportation, Office of the Assistant Secretary for Research and Technology, University Transportation Centers Program, 2015-07 (CA-MTI-15-1425 ; WP 12-04), 39 pp. <http://transweb.sjsu.edu/PDFs/research/1425-US-transit-benefit-cost-analysis-study.pdf>

### **FTA Has Not Fully Implemented Key Internal Controls for Hurricane Sandy Oversight and Future Emergency Relief Efforts - Audit Report /**

Thomas E. Yatsco -- Washington, DC : U.S. Dept. of Transportation, Office of the Secretary of Transportation, Office of Inspector General, 2015-06 (ST-2015-046), 23 pp.  
[https://www.oig.dot.gov/sites/default/files/FTA%20Hurricane%20Sandy%20Grant%20Award%20and%20Oversight%20Processes%20Final%20Report\\_6-12-15.pdf](https://www.oig.dot.gov/sites/default/files/FTA%20Hurricane%20Sandy%20Grant%20Award%20and%20Oversight%20Processes%20Final%20Report_6-12-15.pdf)

### **Public Transportation: Paratransit and Emerging Technologies - Volume 4 /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2536), 106 pp. <http://www.trb.org/Publications/Blurbs/173204.aspx>

### **Video Cameras in Access Link Paratransit Vehicles /**

Patrick Szary et al. -- Piscataway, NJ : Rutgers, The State University of New Jersey ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research ; Newark, NJ : New Jersey Transit, 2014-09 (FHWA-NJ-2015-004), 49 pp. <http://www.state.nj.us/cgi-bin/transportation/database/viewdb.pl>

## **Work Zones**

### **Visibility and Work Zone Traffic Controls /**

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2485), 84 pp. <http://www.trb.org/Publications/Blurbs/173165.aspx>